Severe Weather Potential for Southeast Texas...Update

10:30 am March 9th, 2016

Dan Reilly
National Weather Service
Houston/Galveston

Social Media:
@NWSHouston

Overview

- Rain last night not as widespread as expected over our forecast area; radar getting more active now

- Potential still for flash flooding from thunderstorms with heavy downpours, high rain rates if training occurs

- Damaging wind gusts, isolated tornado also possible

- Rounds of thunderstorms to move through the area today and possibly tonight; if storms train...follow one another over one particular area...flash flooding could result
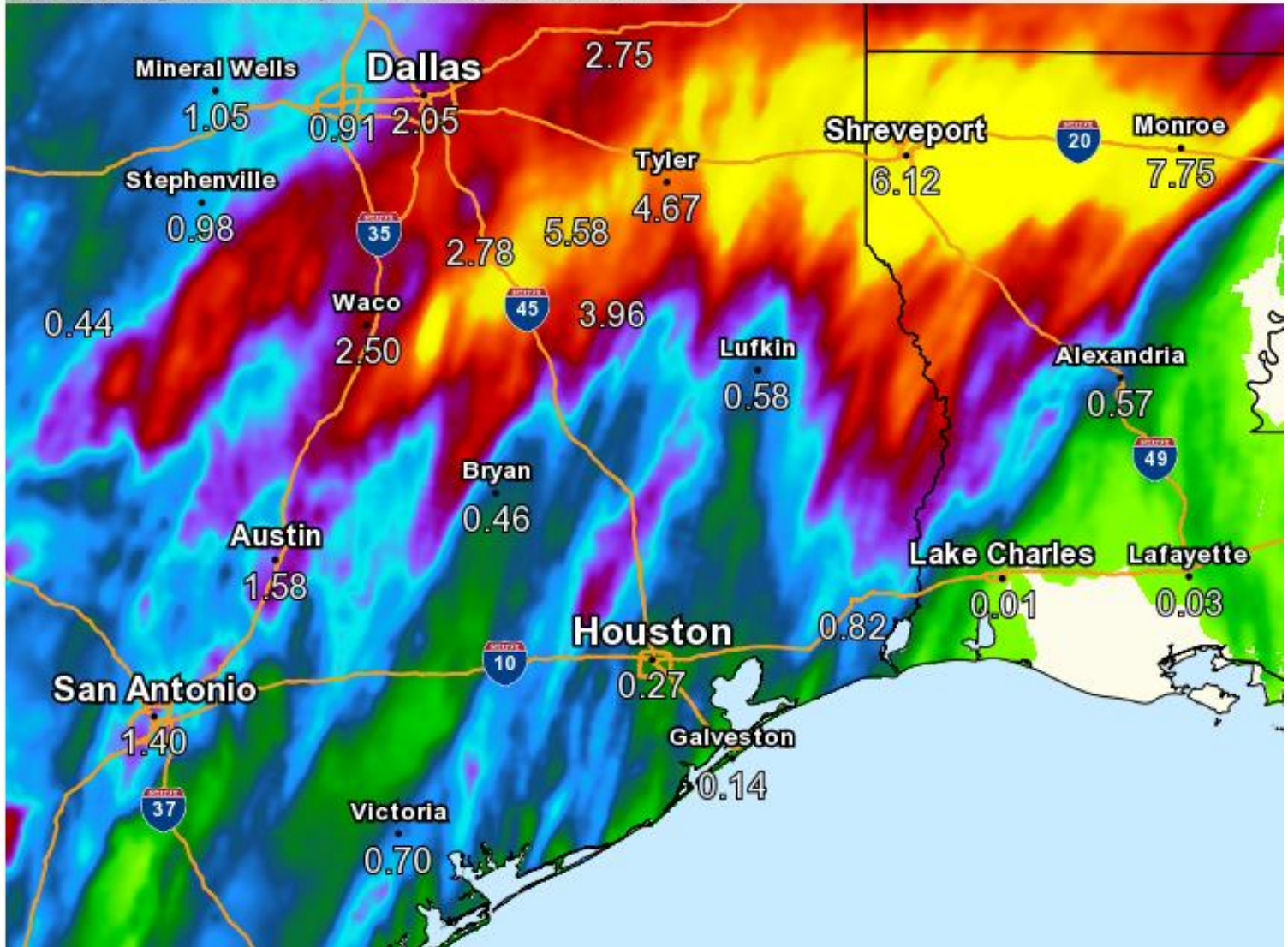
Valid Ending Wednesday March 9th, 2016 at 8 AM CST

Legend
0.01 inches
0.1 inches
0.25 inches
0.5 inches
0.75 inches
1 inches
1.25 inches
1.5 inches
1.75 inches
2 inches
2.5 inches
3 inches
4 inches
5 inches
6 inches
8 inches

Mineral Wells 1.05
Dallas
2.75
0.91 2.05
Shreveport 6.12
Monroe 7.75
Stephenville 0.98
Tyler 4.67
5.58
2.78
0.44
Waco
2.50
3.96
Lufkin 0.58
Alexandria 0.57
Bryan 0.46
Austin 1.58
Lake Charles 0.01
Lafayette 0.03
Houston
San Antonio 1.40
0.82
0.27
Galveston 0.14
Victoria 0.70

phic Created
rch 9th, 2016
5 AM CST

Totals

- 0.01"
- 0.25"
- 0.50"
- 1.00"
- 1.50"
- 2.00"
- 2.50"
- 3.00"
- 4.00"
- 5.00"
- 6.00"
- 8.00"
- 10.00+"

Crockett

Livingston

College Station

Columbus

Houston

Galveston

Palacios

Images are created from a combination of Doppler radar precipitation estimates & reliable ground-based rain gauges. Some totals may be unrepresentative.
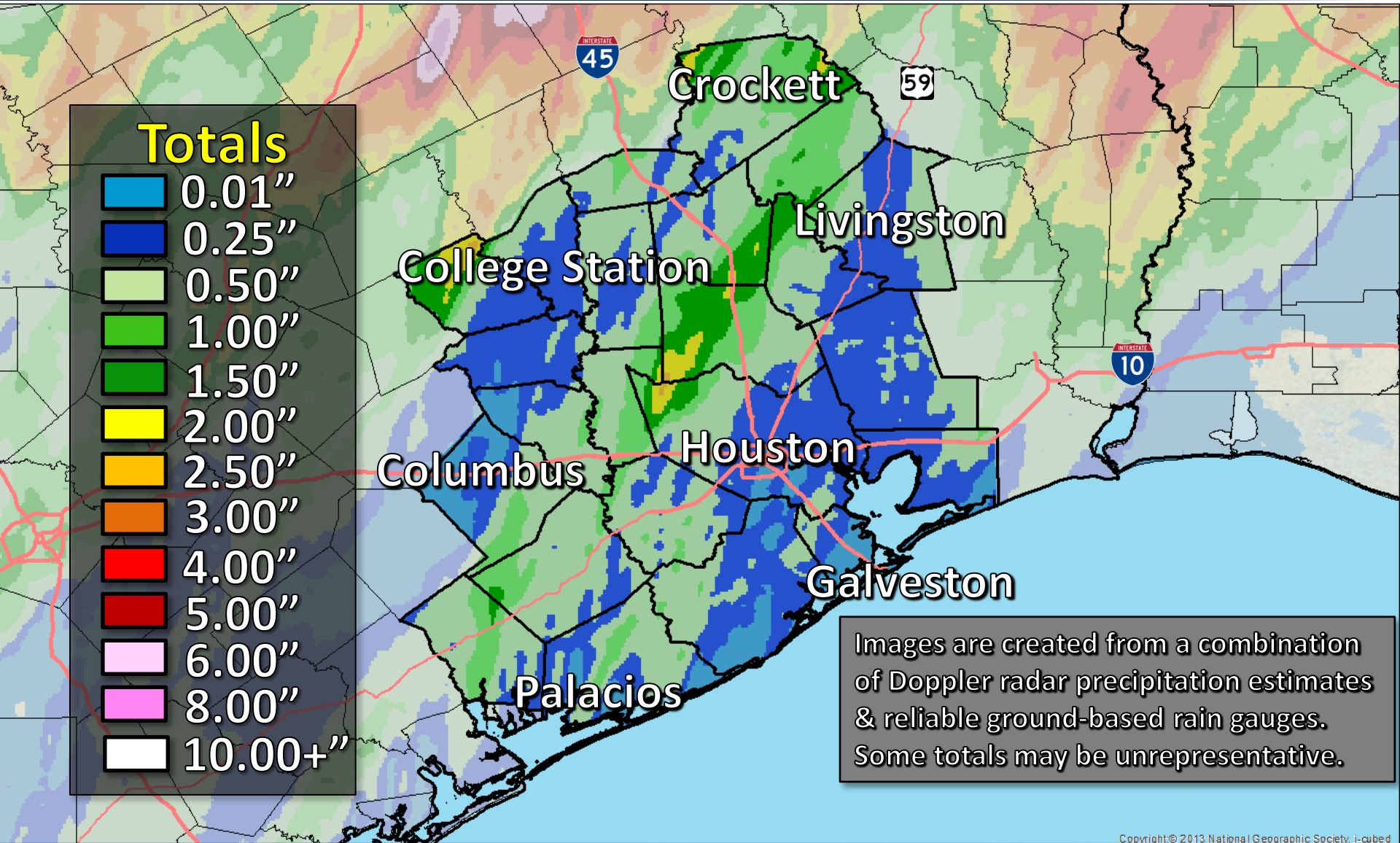
Copyright © 2013 National Geographic Society, i-cubed

Latest Radar and Satellite

EAST WATER VAPOR - MAR 9 16 15:15 UTC
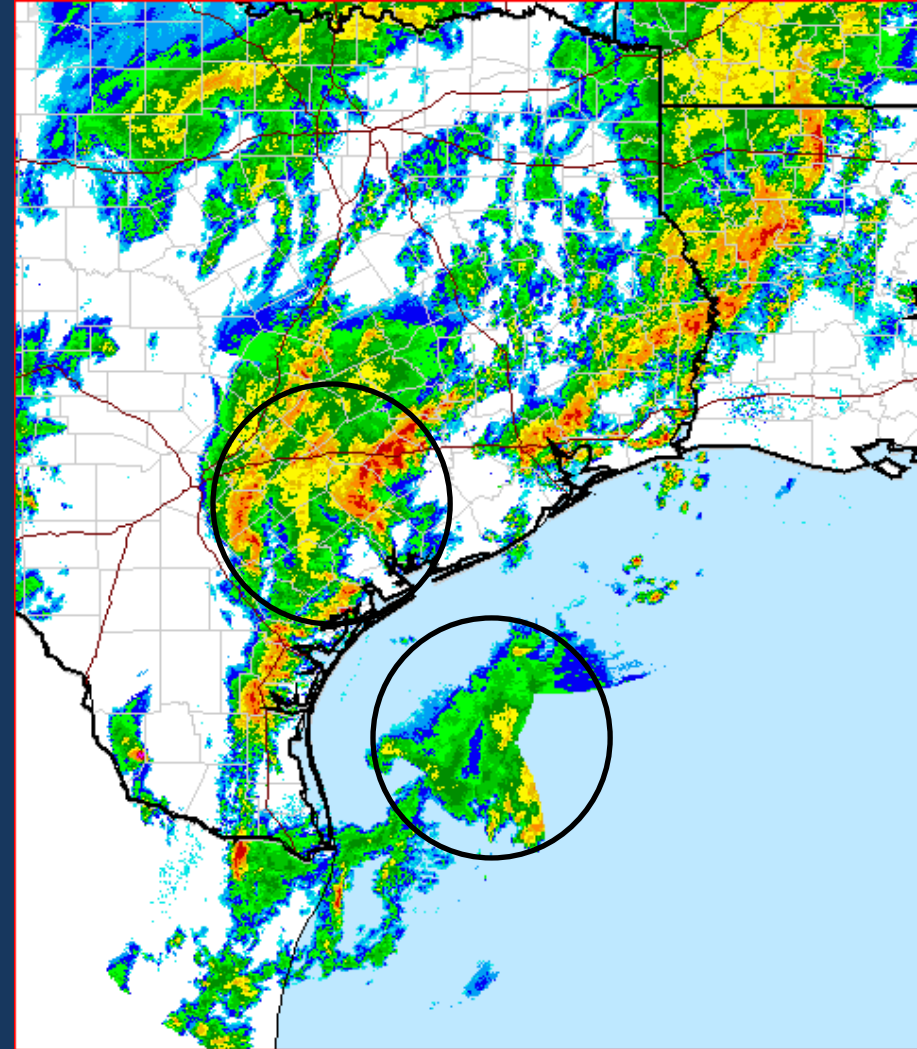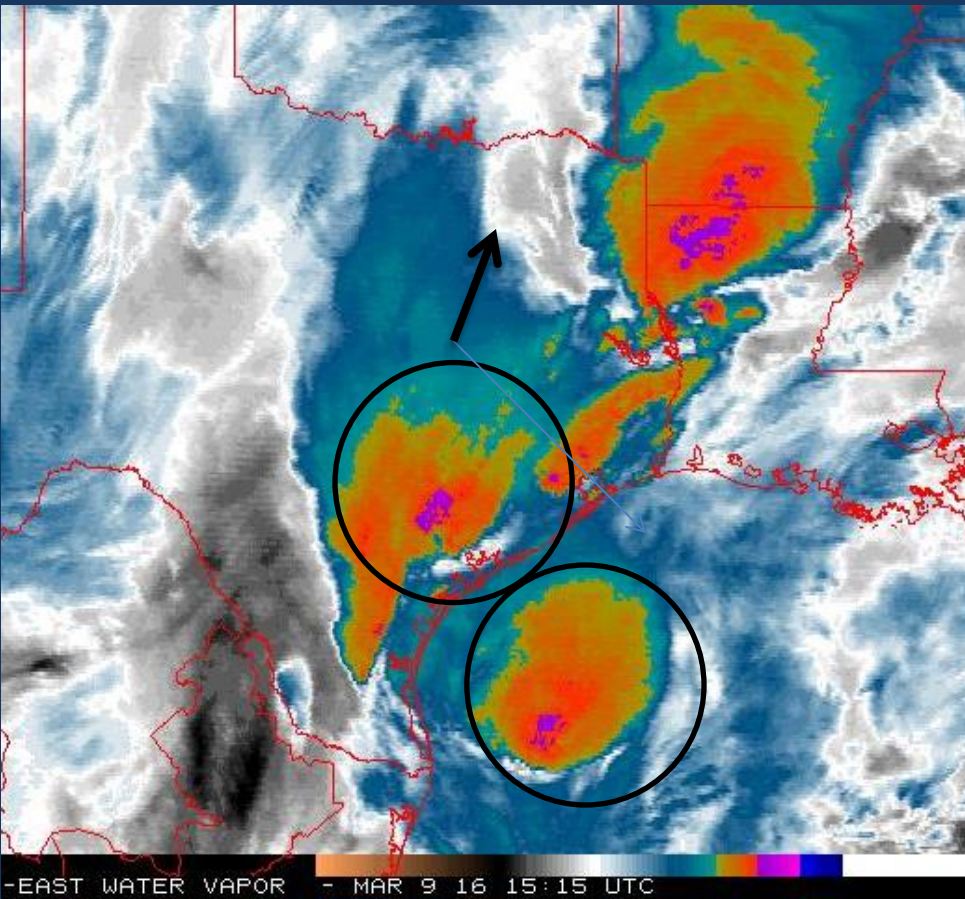
Thunderstorm complexes moving across western areas now; another over Gulf to move into eastern counties later (moving NNE)
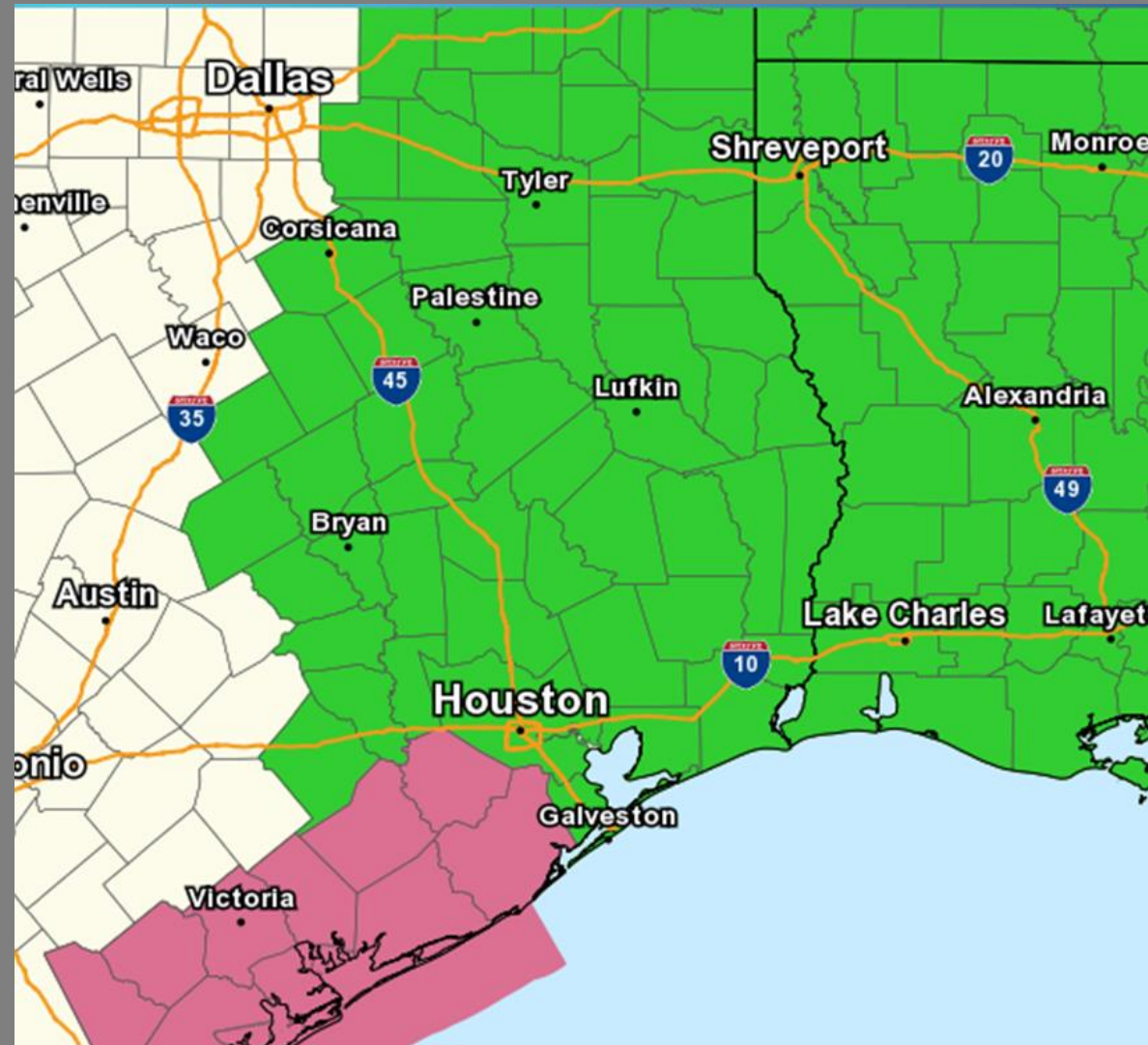
weather.gov/houston

Social Media:
@NWSHouston

3/9/2016 10 am

Flash Flood Watch/Severe Thunderstorm Watch

National Weather Service Houston/Galveston TX

Flash Flood Watch until 6PM

Severe Thunderstorm Watch until Noon (pink); damaging winds, isolated tornado

Flood threat could extend into tonight with additional thunderstorms

Rainfall amounts: 4 to 8 inches, locally 12 inches or more

weather.gov/houston

Social Media:
@NWSHouston

3/9/2016
10:00 AM

3 Day Total Precipitation Forecast
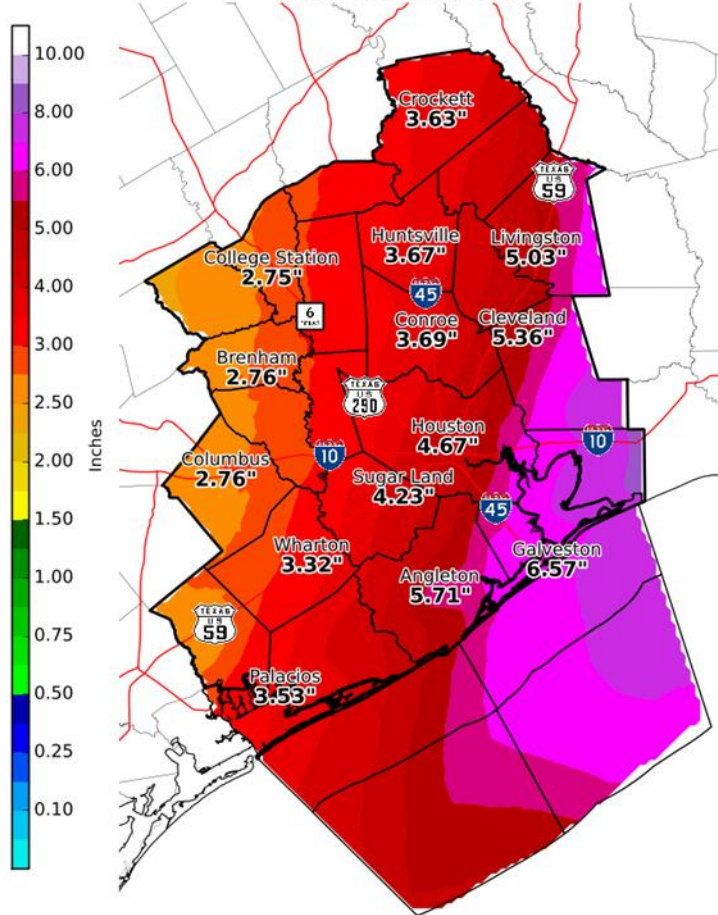
3 Day Total Rainfall Forecast
Valid: March 09, 2016

Inches scale:
- 10.00
- 8.00
- 6.00
- 5.00
- 4.00
- 3.00
- 2.50
- 2.00
- 1.50
- 1.00
- 0.75
- 0.50
- 0.25
- 0.10

Crockett 3.63"
Huntsville 3.67"
Livingston 5.03"
College Station 2.75"
Conroe 3.69"
Cleveland 5.36"
Brenham 2.76"
Houston 4.67"
Columbus 2.76"
Sugar Land 4.23"
Wharton 3.32"
Galveston 6.57"
Angleton 5.71"
Palacios 3.53"

National Weather Service
Houston/Galveston Texas
03/09/2016 04:34 AM CST

Follow Us: f t ▶

weather.gov/Houston

Forecast Summary

- **Flash Flood Watch until 6 pm tonight**

- **Rounds of thunderstorms**

- **3-Day Expected Rainfall: 3 to 6 inches with locally higher amounts if training sets up**
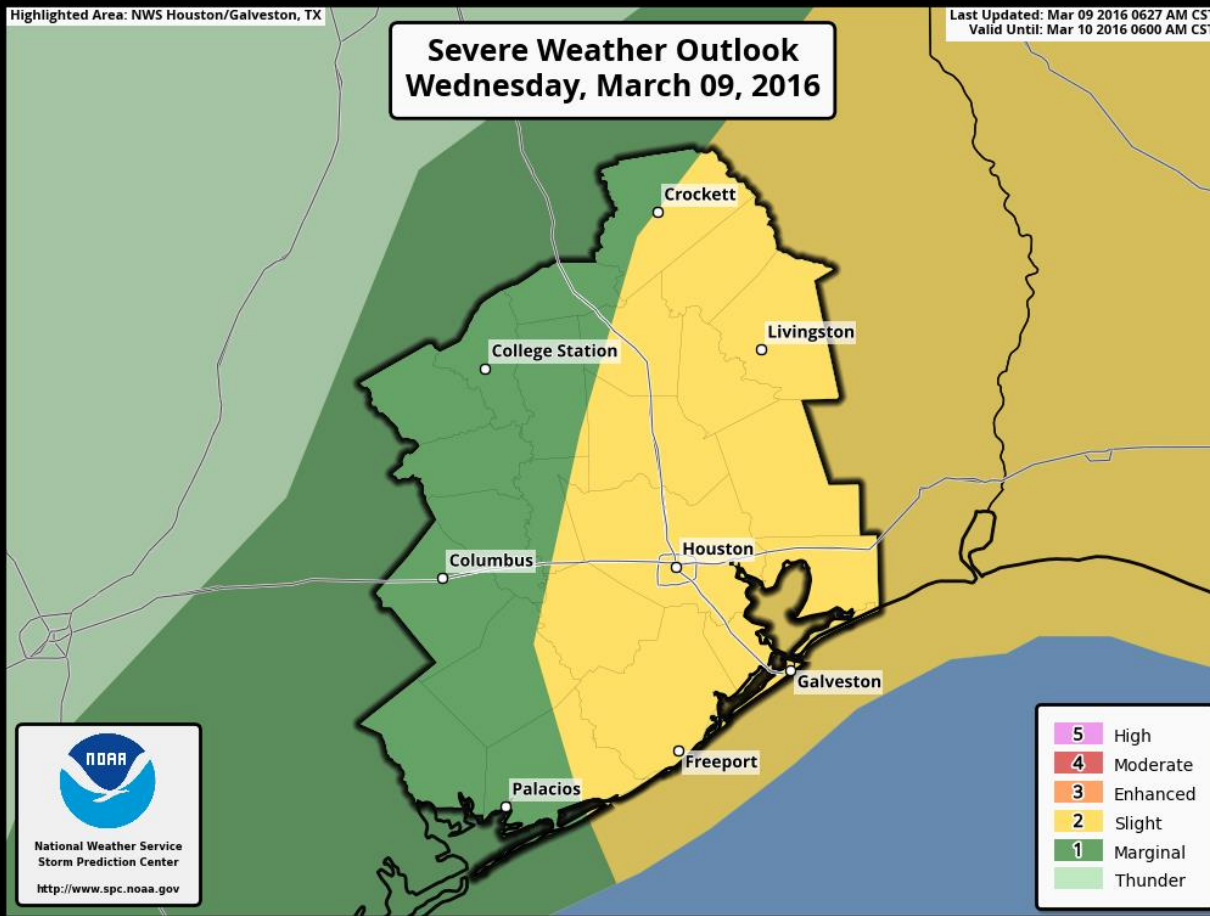
- **This rain mostly today and tonight**

Severe Weather – Tuesday night/Wednesday

Highlighted Area: NWS Houston/Galveston, TX

Severe Weather Outlook Wednesday, March 09, 2016

Last Updated: Mar 09 2016 0627 AM CST
Valid Until: Mar 10 2016 0600 AM CST

Crockett

Livingston

College Station

Columbus

Houston

Galveston

Freeport

Palacios

National Weather Service Storm Prediction Center

http://www.spc.noaa.gov

5	High	
4	Moderate	
3	Enhanced	
2	Slight	
1	Marginal	
	Thunder	

Severe Weather Threat: "Slight" (2)

Timing: 9PM Tuesday to Noon Wednesday (some threat earlier northern counties)

Threats:
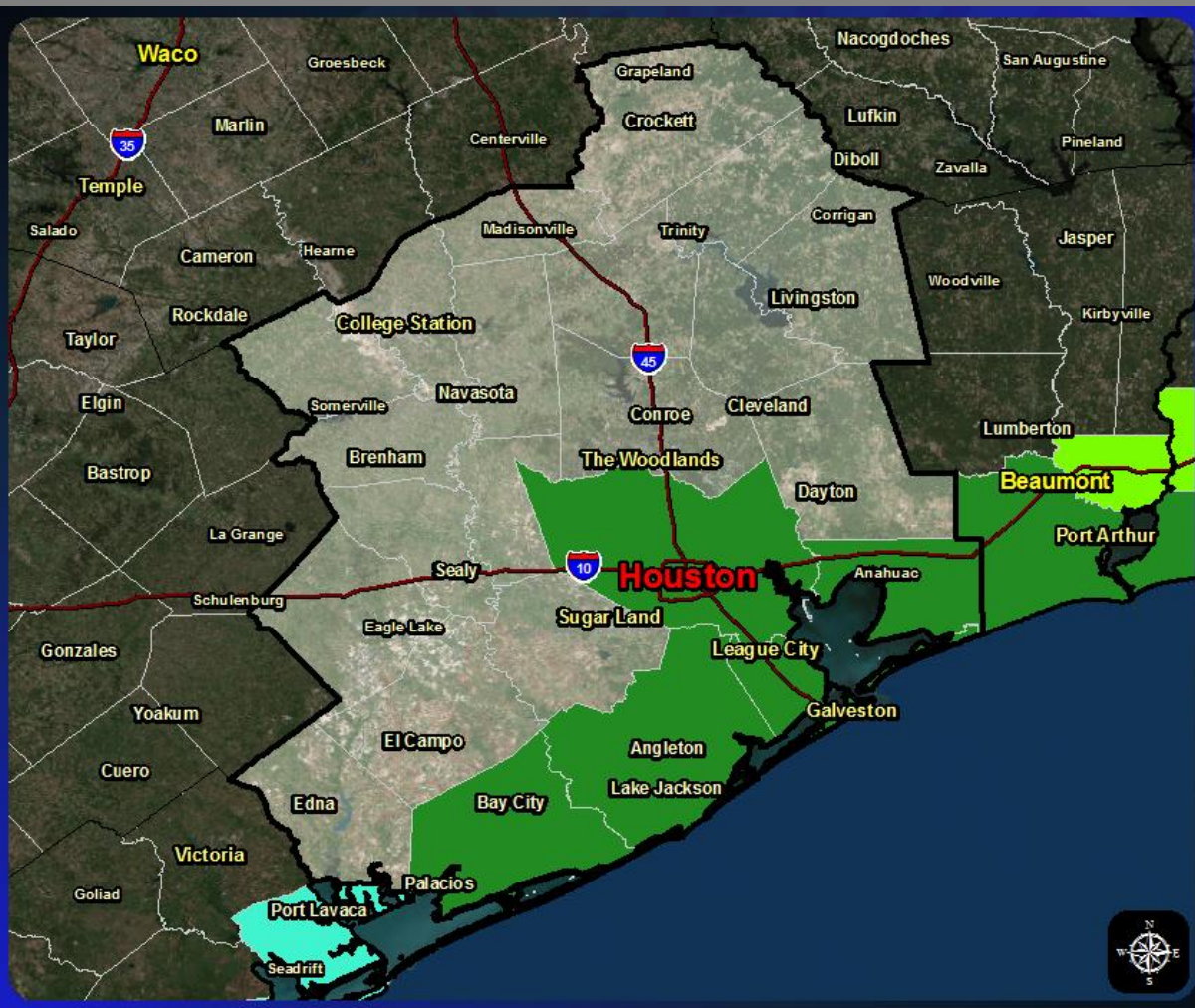- **Tornadoes (primary)**
- **Damaging Winds**
- **Hail**

Forecaster Confidence

Low — High

Coastal Flood Warning Tuesday/Wednesday

National Weather Service Houston/Galveston TX

Coastal Flood Warning expring at noon.

Tides 1-2 feet above normal. Water levels reaching 3.5-4 feet above MLLW.

Greatest threat Gulf facing beaches where heavy surf, wave runup is a factor

Small Craft Advisories
Until 6PM Wednesday

- **Winds SE 10 to 20 knots gusts 25 knots**
- **Seas 6 to 9 feet nearshore, 8 to 11 feet 20 to 60 nm out**
- **Further improvement beginning tomorrow**
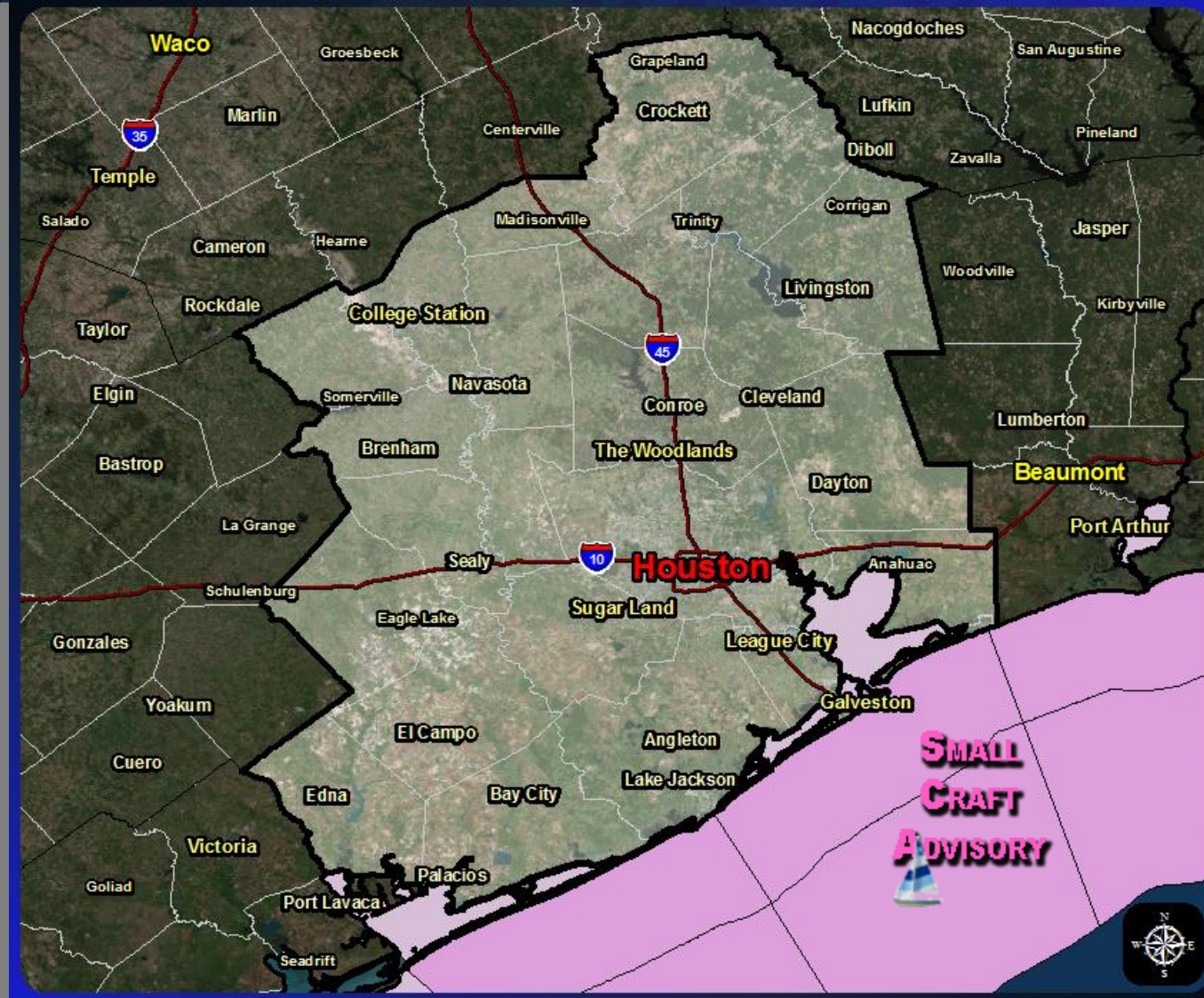
PAST 24 HOURS

2 - 4"

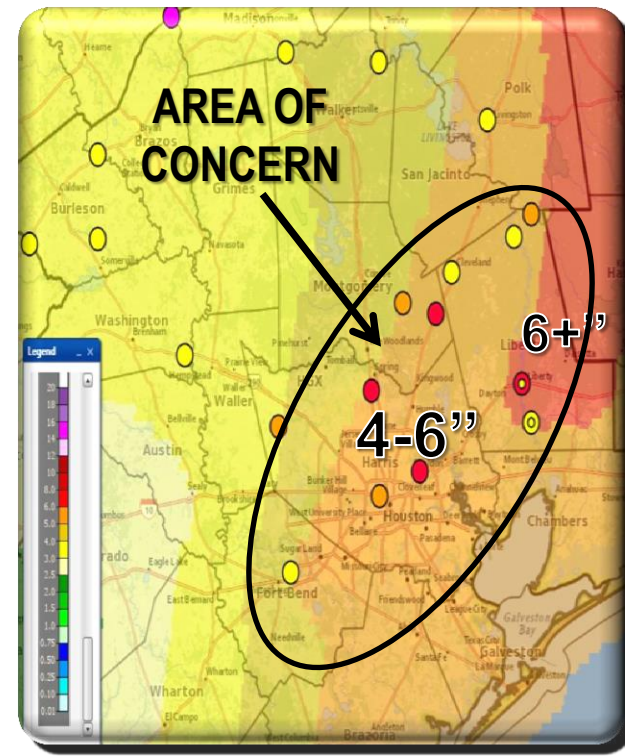Valid: 8:00 AM CST, March 8th to 8:00 AM CST, March 9th
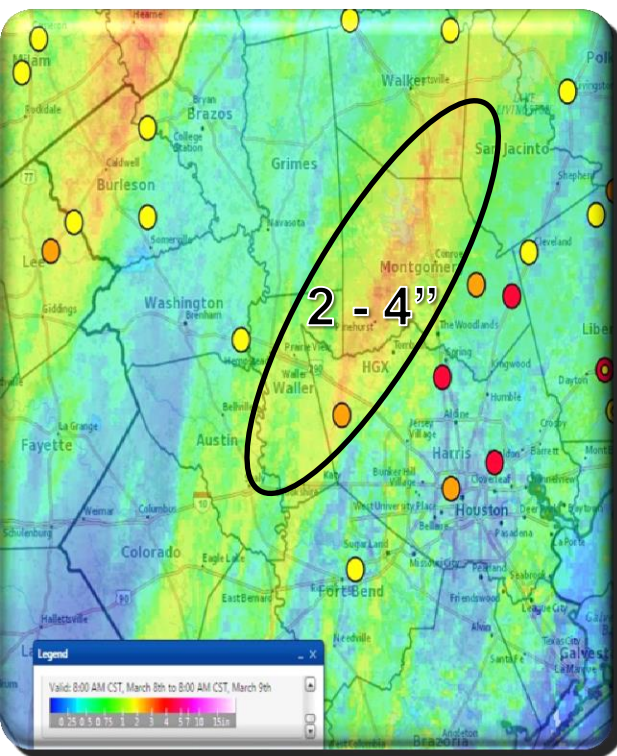
CURRENT RADAR

NEXT 24 HOURS

AREA OF CONCERN

6+"

4-6"

- First wave of rainfall continues to push through Houston area. Currently, this rainfall will not generate any significant flooding in the Houston Bayou system or in the San Jacinto Basin.
- Forecasted rainfall continues to show a few sites in moderate on the eastern side of the area based off QPF, but river flooding is possible around most of area looking at incoming radar from west.
- There was significant rainfall above Lake Livingston, but not as much near Liberty. Still believe significant flooding will happen at Liberty, but will be later than original forecast. Water coming into Livingston will need to be passed and more rain is in the forecast

NOTE: Second wave rainfall looks strong and a pretty wide swath so QPF could be too far east!

Summary

- Rain last night not as widespread as expected over our forecast area but important to not let guard down

- Rounds of thunderstorms to move through the area today and possibly tonight; if storms train...follow one another over one particular area...flash flooding could result

- Rainfall more scattered in nature through Saturday

- Isolated severe possible with damaging winds and a tornado or two possible